

TENNESSEE VALLEY AUTHORITY

P. O. Box 2000
Decatur, Alabama

JUL 13 1990

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, D.C. 20555

Gentlemen:

In the Matter of)
Tennessee Valley Authority)

Docket Nos. 50-259
50-260
50-296

BROWNS FERRY NUCLEAR PLANT (BFN) - MONTHLY OPERATING REPORT FOR THE MONTH OF
JUNE 1990

In accordance with the requirements of the BFN Technical Specifications (TS)
section 6.9.1.3, the Monthly Operating Report for the month of June 1990 is
enclosed.

If you have any questions, please telephone Patrick P. Carrier, BFN,
(205) 729-3570.

Very truly yours,

TENNESSEE VALLEY AUTHORITY

Patrick Carrier

Patrick P. Carrier, Manager
of Site Licensing

Enclosures

cc (Enclosures):

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Institute of Nuclear Power Operations
1100 Circle 75 Parkway, Suite 1500
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Regional Administration
U.S. Nuclear Regulatory Commission
Office of Inspection and Enforcement
Region II
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Atlanta, Georgia 30323

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U.S. Nuclear Regulatory Commission

JEM:MAL:BAE

cc: RIMS, MR 4N 35A-C (Enclosures)
C. E. Ayers, MR 2S 66C-C
E. S. Christenbury, ET 11B 33H-K
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T. J. McGrath, LP 6N 38A-C (Enclosures)
G. R. Mullee, BR 5S 168A-C (Enclosures)
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D. E. Nunn, LP 6N 20 D-C (Enclosures)
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G. G. Turner, PSB K, Browns Ferry
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MONTHLY OPERATING REPORT

BROWNS FERRY NUCLEAR PLANT

TENNESSEE VALLEY AUTHORITY

JUNE 1990

DOCKET NUMBERS 50-259, 50-260, AND 50-296

LICENSE NUMBERS DPR-33, DPR-52, AND DPR-68

OPERATIONAL SUMMARY

JUNE 1990

UNIT 1

Unit remains on administrative hold to resolve various TVA and NRC concerns.

UNIT 2

Unit remains on administrative hold to resolve various TVA and NRC concerns. Modification, operation, and maintenance work continues to support restart.

UNIT 3

Unit remains on administrative hold to resolve various TVA and NRC concerns.

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-259
 Unit One
 PREPARED BY S. A. Ratliff
 TELEPHONE (205) 729-2937

MONTH JUNE 1990

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>0</u>	17	<u>0</u>
2	<u>0</u>	18	<u>0</u>
3	<u>0</u>	19	<u>0</u>
4	<u>0</u>	20	<u>0</u>
5	<u>0</u>	21	<u>0</u>
6	<u>0</u>	22	<u>0</u>
7	<u>0</u>	23	<u>0</u>
8	<u>0</u>	24	<u>0</u>
9	<u>0</u>	25	<u>0</u>
10	<u>0</u>	26	<u>0</u>
11	<u>0</u>	27	<u>0</u>
12	<u>0</u>	28	<u>0</u>
13	<u>0</u>	29	<u>0</u>
14	<u>0</u>	30	<u>0</u>
15	<u>0</u>		
16	<u>0</u>		

0449k/5

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-260

Unit Two

PREPARED BY S. A. Ratliff

TELEPHONE (205) 729-2937

MONTH JUNE 1990

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>0</u>	17	<u>0</u>
2	<u>0</u>	18	<u>0</u>
3	<u>0</u>	19	<u>0</u>
4	<u>0</u>	20	<u>0</u>
5	<u>0</u>	21	<u>0</u>
6	<u>0</u>	22	<u>0</u>
7	<u>0</u>	23	<u>0</u>
8	<u>0</u>	24	<u>0</u>
9	<u>0</u>	25	<u>0</u>
10	<u>0</u>	26	<u>0</u>
11	<u>0</u>	27	<u>0</u>
12	<u>0</u>	28	<u>0</u>
13	<u>0</u>	29	<u>0</u>
14	<u>0</u>	30	<u>0</u>
15	<u>0</u>		
16	<u>0</u>		

0449k/6

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-296

UNIT Three

PREPARED BY S. A. Ratliff

TELEPHONE (205) 729-2937

MONTH JUNE 1990

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>0</u>	17	<u>0</u>
2	<u>0</u>	18	<u>0</u>
3	<u>0</u>	19	<u>0</u>
4	<u>0</u>	20	<u>0</u>
5	<u>0</u>	21	<u>0</u>
6	<u>0</u>	22	<u>0</u>
7	<u>0</u>	23	<u>0</u>
8	<u>0</u>	24	<u>0</u>
9	<u>0</u>	25	<u>0</u>
10	<u>0</u>	26	<u>0</u>
11	<u>0</u>	27	<u>0</u>
12	<u>0</u>	28	<u>0</u>
13	<u>0</u>	29	<u>0</u>
14	<u>0</u>	30	<u>0</u>
15	<u>0</u>		
16	<u>0</u>		

0449k/7

OPERATING DATA REPORT

DOCKET NO. 50-259
 PREPARED BY S. A. Ratliff
 TELEPHONE (205) 729-2937

OPERATING STATUS

- | | !Notes | ! |
|---|--------|---|
| 1. Unit Name: <u>Browns Ferry Unit One</u> | ! | ! |
| 2. Reporting Period: <u>June 1990</u> | ! | ! |
| 3. Licensed Thermal Power (Mwt): <u>3293</u> | ! | ! |
| 4. Nameplate Rating (Gross MWe): <u>1152</u> | ! | ! |
| 5. Design Electrical Rating (Net MWe): <u>1065</u> | ! | ! |
| 6. Maximum Dependable Capacity (Gross MWe): <u>1098.4</u> | ! | ! |
| 7. Maximum Dependable Capacity (Net MWe): <u>1065</u> | ! | ! |
| 8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:
<u>N/A</u> | | |

- | |
|--|
| 9. Power Level To Which Restricted, If Any (Net MWe): <u>N/A</u> |
| 10. Reasons For Restrictions, If Any: <u>N/A</u> |

	This Month	Yr-to-Date	Cumulative
11. Hours in Reporting Period	<u>720</u>	<u>4343</u>	<u>139567</u>
12. Number of Hours Reactor Was Critical	<u>0</u>	<u>0</u>	<u>59521</u>
13. Reactor Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>6997</u>
14. Hours Generator On-Line	<u>0</u>	<u>0</u>	<u>58267</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross Thermal Energy Generated (MWH)	<u>0</u>	<u>0</u>	<u>168066787</u>
17. Gross Electrical Energy Generated (MWH)	<u>0</u>	<u>0</u>	<u>55398130</u>
18. Net Electrical Energy Generated (MWH)	<u>-2643</u>	<u>-9771</u>	<u>53573317</u>
19. Unit Service Factor	<u>0</u>	<u>0</u>	<u>41.7</u>
20. Unit Availability Factor	<u>0</u>	<u>0</u>	<u>41.7</u>
21. Unit Capacity Factor (Using MDC Net)	<u>0</u>	<u>0</u>	<u>36.0</u>
22. Unit Capacity Factor (Using DER Net)	<u>0</u>	<u>0</u>	<u>36.0</u>
23. Unit Forced Outage Rate	<u>100</u>	<u>100</u>	<u>51.8</u>
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): <u>N/A</u>			

- | |
|--|
| 25. If Shut Down At End Of Report Period, Estimated Date of Startup: <u>To be determined</u> |
|--|

OPERATING DATA REPORT

DOCKET NO. 50-260
 PREPARED BY S. A. Ratliff
 TELEPHONE (205) 729-2937

OPERATING STATUS

- | | | |
|---|--------|---|
| | !Notes | ! |
| 1. Unit Name: <u>Browns Ferry Unit Two</u> | ! | ! |
| 2. Reporting Period: <u>June 1990</u> | ! | ! |
| 3. Licensed Thermal Power (MWt): <u>3293</u> | ! | ! |
| 4. Nameplate Rating (Gross MWe): <u>1152</u> | ! | ! |
| 5. Design Electrical Rating (Net MWe): <u>1065</u> | ! | ! |
| 6. Maximum Dependable Capacity (Gross MWe): <u>1098.4</u> | ! | ! |
| 7. Maximum Dependable Capacity (Net MWe): <u>1065</u> | ! | ! |
| 8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:
<u>N/A</u> | | |

- | |
|--|
| 9. Power Level To Which Restricted, If Any (Net MWe): <u>N/A</u> |
| 10. Reasons For Restrictions, If Any: <u>N/A</u> |

	This Month	Yr-to-Date	Cumulative
11. Hours in Reporting Period	<u>720</u>	<u>4343</u>	<u>134454</u>
12. Number of Hours Reactor Was Critical	<u>0</u>	<u>0</u>	<u>55860</u>
13. Reactor Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>14200</u>
14. Hours Generator On-Line	<u>0</u>	<u>0</u>	<u>54338</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross Thermal Energy Generated (MWH)	<u>0</u>	<u>0</u>	<u>153245167</u>
17. Gross Electrical Energy Generated (MWH)	<u>0</u>	<u>0</u>	<u>50771798</u>
18. Net Electrical Energy Generated (MWH)	<u>-4503</u>	<u>-31464</u>	<u>49082960</u>
19. Unit Service Factor	<u>0</u>	<u>0</u>	<u>40.4</u>
20. Unit Availability Factor	<u>0</u>	<u>0</u>	<u>40.4</u>
21. Unit Capacity Factor (Using MDC Net)	<u>0</u>	<u>0</u>	<u>34.3</u>
22. Unit Capacity Factor (Using DER Net)	<u>0</u>	<u>0</u>	<u>34.3</u>
23. Unit Forced Outage Rate	<u>100</u>	<u>100</u>	<u>51.8</u>

- | |
|--|
| 24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
<u>N/A</u> |
|--|

- | |
|---|
| 25. If Shut Down At End Of Report Period, Estimated Date of Startup: <u>December 1990</u> |
|---|

OPERATING DATA REPORT

DOCKET NO. 50-296
 PREPARED BY S. A. Ratliff
 TELEPHONE (205) 729-2937

OPERATING STATUS

- | | | |
|---|--------|---|
| | !Notes | ! |
| 1. Unit Name: <u>Browns Ferry Unit Three</u> | ! | ! |
| 2. Reporting Period: <u>June 1990</u> | ! | ! |
| 3. Licensed Thermal Power (MWt): <u>3293</u> | ! | ! |
| 4. Nameplate Rating (Gross MWe): <u>1152</u> | ! | ! |
| 5. Design Electrical Rating (Net MWe): <u>1065</u> | ! | ! |
| 6. Maximum Dependable Capacity (Gross MWe): <u>1098.4</u> | ! | ! |
| 7. Maximum Dependable Capacity (Net MWe): <u>1065</u> | ! | ! |
| 8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:
<u>N/A</u> | | |
| 9. Power Level To Which Restricted, If Any (Net MWe): <u>N/A</u> | | |
| 10. Reasons For Restrictions, If Any: <u>N/A</u> | | |

	This Month	Yr-to-Date	Cumulative
11. Hours in Reporting Period	<u>720</u>	<u>4343</u>	<u>116879</u>
12. Number of Hours Reactor Was Critical	<u>0</u>	<u>0</u>	<u>45306</u>
13. Reactor Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>5150</u>
14. Hours Generator On-Line	<u>0</u>	<u>0</u>	<u>44195</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross Thermal Energy Generated (MWH)	<u>0</u>	<u>0</u>	<u>131868267</u>
17. Gross Electrical Energy Generated (MWH)	<u>0</u>	<u>0</u>	<u>43473760</u>
18. Net Electrical Energy Generated (MWH)	<u>-1975</u>	<u>-11631</u>	<u>41983402</u>
19. Unit Service Factor	<u>0</u>	<u>0</u>	<u>37.8</u>
20. Unit Availability Factor	<u>0</u>	<u>0</u>	<u>37.8</u>
21. Unit Capacity Factor (Using MDC Net)	<u>0</u>	<u>0</u>	<u>33.7</u>
22. Unit Capacity Factor (Using DER Net)	<u>0</u>	<u>0</u>	<u>33.7</u>
23. Unit Forced Outage Rate	<u>100</u>	<u>100</u>	<u>55.9</u>
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): <u>N/A</u>			

25. If Shut Down At End Of Report Period, Estimated Date of Startup: To be determined

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH: June 1990

DOCKET NO: 50-259
 UNIT NAME: One
 PREPARED BY: S. A. Ratliff
 TELEPHONE: (205) 729 2937

No.	Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutting Down Reactor ³	Licensee Event Report No.	System Code ⁴	Component Code ⁵	Cause and Corrective Action to Prevent Recurrence
315	06/01/85	F	720	F	4				Administrative hold to resolve various TVA and NRC concerns.

¹F: Forced
 S: Scheduled

²Reason:
 A-Equipment Failure (Explain)
 B-Maintenance or Test
 C-Refueling
 D-Regulatory Restriction
 E-Operator Training and License Examination
 F-Administrative
 G-Operational Error (Explain)
 H-Other (Explain)

³Method:
 1-Manual
 2-Manual Scram
 3-Automatic Scram
 4-Continuation of Existing Outage
 5-Reduction
 9-Other

⁴Exhibit G-Instructions for Preparation of Data Entry sheets for Licensee Event Report (LER) File (NUREG-061)

⁵Exhibit I-Same Source

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH: June 1990

DOCKET NO: 50-260
 UNIT NAME: Two
 COMPLETED BY: S. A. Ratliff
 TELEPHONE: (205) 729-2937

No.	Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutting Down Reactor ³	Licensee Event Report No.	System Code ⁴	Component Code ⁵	Cause and Corrective Action to Prevent Recurrence
305	09/15/84	F	720	F	4				Administrative hold to resolve various TVA and NRC concerns.

¹F: Forced
 S: Scheduled

²Reason:
 A-Equipment Failure (Explain)
 B-Maintenance or Test
 C-Refueling
 D-Regulatory Restriction
 E-Operator Training and License Examination
 F-Administrative
 G-Operational Error (Explain)
 H-Other (Explain)

³Method:
 1-Manual
 2-Manual Scram
 3-Automatic Scram
 4-Continuation of Existing Outage
 5-Reduction
 9-Other

⁴Exhibit G-Instructions for Preparation of Data Entry sheets for Licensee Event Report (LER) File (NUREG-061)

⁵Exhibit I-Same Source

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH: June 1990

DOCKET NO: 50-296
 UNIT NAME: Three
 COMPLETED BY: S. A. Ratliff
 TELEPHONE: (205) 729-2937

No.	Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutting Down Reactor ³	Licensee Event Report No.	System Code ⁴	Component Code ⁵	Cause and Corrective Action to Prevent Recurrence
157	03/03/85	F	720	F	4				Administrative hold to resolve various TVA and NRC concerns.

¹F: Forced
 S: Scheduled

²Reason:
 A-Equipment Failure (Explain)
 B-Maintenance or Test
 C-Refueling
 D-Regulatory Restriction
 E-Operator Training and License Examination
 F-Administrative
 G-Operational Error (Explain)
 H-Other (Explain)

³Method:
 1-Manual
 2-Manual Scram
 3-Automatic Scram
 4-Continuation of Existing Outage
 5-Reduction
 9-Other

⁴Exhibit G-Instructions for Preparation of Data Entry sheets for Licensee Event Report (LER) File (NUREG-061)

⁵Exhibit I-Same Source